

01799

1995/01/00

Global Launch Services Supply and Demand Analysis

(TOTAL)

U.S. LAUNCH VEHICLES

Category	1995	1996	1997	1998	1999	2000	2001
Pegasus/Taurus/LLV: Requirements	10	7	6	2	4	3	2
Capacity	13	14	16	18-22	24-28	30-34	30-34
Delta 2 East Coast: Requirements	4 (4)	5 (5)	8 (8)	4 (5)	6 (7)	4 (5)	4 (5)
Capacity	4	8	12	12	12	8	12
Delta 2 West Coast: Requirements	2 (2)	3 (3)	5 (5)	2 (3)	0 (0)	3 (3)	1 (3)
Capacity	4	6	6	6	5	4	6
Atlas 1/2/2AS East Coast: Requirements	10 (10)	7 (7)	6 (6)	2 (2)	3 (4)	3 (4)	0 (2)
Capacity	8	9	10	10	10	10	10
Atlas 1/2/2AS West Coast: Requirements	0	0	0	3	1	2	1 (2)
Capacity	0	1	4	4	4	4	4

NOTE: Only firm and probable requirements are shown for both government and commercial missions. Potential missions in the out-years are not shown. Projected LEO commercial requirements of at least 4 to 5 launches per year from 1997 on are not shown.

Numbers in parentheses represent revised launch projections by DOD for Delta 2/Atlas taking into account further review of "likely" U.S. Government launches.

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*proportion of current capacity
No of launches per year
max. 100% capacity*
FOREIGN LAUNCH VEHICLES
*Revised per formal Arlane
submitted 11/8/94*

Category

1995 1996 1997 1998 1999 2000 2001

Arlane 4: Requirements
Capacity

14 (12) 8 (10) 5 2 1 ? ?
12 12 10 8 8 8

Arlane 5: Requirements
Capacity

0 2 1 1 1 3 ?
0 4 6 8 to 10 8 to 10 8 to 10 X

Long March 2E/3B: Requirements
Capacity

6 4 to 5 1 1 1 1 1
6 6 6 6 6 6 6

Long March 2C, etc: Requirements
Capacity

0 0 to 1 0 3 3 0 0
4 to 7 4 to 7 4 to 7 4 to 7 4 to 7 4 to 7 4 to 7

Proton: Requirements
Capacity

16? 2 2 2 2 2 2 ?
13 plus 13 plus 13 plus 13 plus 13 plus 13 plus 13 plus

* Reflects gradual reduction of Arlane 4 capacity

** Maximum theoretical (surge) capacity has been estimated at 7 to 8 GEO launches per year

*** Estimate for nominal capacity using new-built Protons; actual capacity may be higher